

Please add the following Abstract

ABSTRACT

The invention relates to a mesostructural material, preferably thermally stable, comprising a mineral phase within which nano-scale particles of a metallic oxide are dispersed, selected from a cerium, zirconium, titanium or rare earth metal oxide other than that of cerium. Said oxide comprises at least one metallic element M in a cationic form in a solid solution within the crystalline structure of said oxide. The invention further relates to a method for production of such a material, particularly in the form of heterogeneous catalysts or as a support for catalytic species.